रजिस्ट्री सं० डी—(डी एन)—73

REGISTERED NO. D—(DN)—73

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 22] नई दिल्ली, शनिवार, मई 31, 1986 (ज्येष्ठ 10, 1908)

No. 22] NEW DELHI, SATURDAY, MAY 31, 1986 (JYAISTHA 10, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 31st May 1986

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CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated 1-3-1986 pages 166, Column 2 under the heading "PATENTS SEALED" *delete* 154974.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

21st April, 1986

309/Cal/86. M & T Chemicals, Inc. A method for producing an improved synthetic fiber having improved properties. [Divisional dated 3rd October, 1981].

310/Cal/86. Metaus Speciaux S. A. Process and apparatus for purifiyng lithium.

311/Cal/86. 1. Dnepropetrovsky Metallurgichesky Institut Imeni L. I. Brezhneva. (2) Dneprovsky Aljuminievy Zavod Imeni S. M. Kirova. Method for refining aluminium-silicon alloy of eutectic composition from iron and titanium impurities.

312/Cal/86. Water Services of America, Inc. Correction for tube sheet misalignment in heat exchangers having tube cleaning arrangements therein.

23rd April, 1986

313/Cal/86. Noel Carroll System and apparatus for the separation of Multi-phase mixtures.

(Convention dated 23rd April, 1985) Australia.

314/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to dielectric fluid, capacitor, and transformer.

315/Cal/86. Trutzshler Gmbh & Co. Kg. A fixture at a card with a silver loading device.

316/Cal/86.Trutzschler Gmbh & Co. Kg. The fixture at a card with a silver loading device.

317/Cal/86. (1) Candela Corporation (2) The General Hospital Corporation. Use of lasers to break down objects for removal from within the body.

24th April, 1986

318/Cal/86. Orissa Cement Limited. Method for the manufacture of castable refractory.

319/Cal86. Isover Saint-Gobain. Substrate for soil-less cultivation.

320/Cal/86. Jan R. Schnittger. Active vehicle suspension unit.

321/Cal/86. Aluminium Pechinev. Process for acculately maintaining a low alumina content in an electrotvtic smelting cell for the production of aluminium.

322/Cal/86 E. I. Du Pont De Nemours and Company. Modified 8-ring zeolites as catalysts for conversion of methanol and ammonia to dimethylamine.

25th April, 1986

323/Cal/86. Fantasy Toys, Inc. Interlocking toy building blocks with interconnecting, releasable hings.

324/Cal/86. Engelhard Corporation. Fluid cracking catalyst and method of making same from waste catalyst manufacture fines.

325/Cal/86 Aerospatiale societe Nationale Industrielle. Device for indicating the quantity of a liquid in a reservoir and reservoir provided with such a device.

326/Cal/86. Dipanjan Chatterjee. Security measure in aircraft against sabotage in the laggage compartment.

327/Cal/86 Dipanjan Chatterjee. Security measure in aircraft against sneaking of arms in the passenger compartment.

28th April, 1986

328/Cal/86. The Regents of the University of California. Boron-carbide-aluminum and boron-carbide-reactive metal cermets.

329/Cal/86. SKW Trostberg Aktiengesellschaft. Process for the decafeeination of tea.

330/Cal/86. Gustav Schade Maschinenfabrik Gmbh & Co. Silo discharge apparatus with a telescopic gravity tube arranged in the silo.

331/Cal/86. The Babcock & Wilcox Company. On line serial communication interface from a transmitter to a current loop.

332/Cal/86. The Babcock & Wilcox Company. Self zeroing pressure transmitter with automatic pressure manifold.

333/Cal/86. Innofinance Altalanos Innovacios Penzintezet. Method and modifying body for influencing the effect of X-ray or gamma radiation on a target sensitive to the radiation.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

15th April, 1986

275/Mas/86. Hemex Scientific, Inc. Two-piece heart valve holder/rotator.

276/Mas/86. P.L.G. Research Limited. Method of producing a plastics material mesh structure. (April 12, 1985; United Kingdom).

16th April, 1986

277/Mas/86. Jucmont-Schneider. Process for control of the instant of opening of an interrupter and corresponding logic circuit.

278/Mas/86. Industrie FACE Standard SpA. Base for telephone handset.

279/Mas/86. Garrett Michael Sainsbury. Reciprocating liquid metal magnetohydrodynamic generator. (April 17, 1985; Australia).

280/Mas/86. Commonwealth Scientific and Industrial Research Organisation. Fertilization of crops.

281/Mas/86. Maschinenfabrik Rieter AG. Friction spinning means for a friction spinning device.

17th April, 1986

282/Mas/86. Lucas Industries Public Limited Company. Improvements in and realting to master cylinders. (April 18, 1986; United Kingdom).

283/Mas/86. Allied Corporation. Electric circuit board assembly. (April 29, 1985; United Kingdom).

284/Mas/86. Allied Corporation. Contact with exchangeable opto-electronic element (April 29, 1985; United Kingdom).

285/Mas/86. F. L. Smidth & Co. Method and apparatus for producing clinker. (June 3, 1985; United Kingdom).

286/Mas/86. F. J. Smidth & Co. Separator for sorting particulate material (June 3, 1985; united Kingdom).

287/Mas/86. Ciba-Geigy AG. Ophthalmic solutions and methods for improving the comfort and safety of contact lenses.

288/Mas/86. Ruhrgas Aktiengesellschaft. Pneumatic cycle timing device.

18th April, 1986

289/Mas/86. Eniricerche S.pA. Peptide composition useful for the malaria vaccine manufacture as well as for the preparation of diagnostic kits for the detection of malarial diseases.

290/Mas/86. Mobil Oil Corporation. Liquid distributor and use thereof.

291/Mas/86. Alkaloida Vegyeszeti Gyar. Novel morphinane skeltoned hydrezone derivatives.

292/Mas/86. Richter Gedeon Vegyeszeti Gyar Rt. (-)-IB-Ethyl-I -hydroxymethyl-1, 2, 3, 4, 6, 7, 12, 12b-Octahydroindolo [2, 3-a] Quinolizine, process for its preparation and pharmaceutical compositions containing same.

293/Mas/86. Richter Gedeon Vegyeszeti Gyar Rt. Process for the preparation of eburnamenine derivatives.

294/Mas/86. Mitsuboshi Belting Ltd. V-Belt for high load power transmission.

295/Mas/86. Mobil Oil Corporation. Cracking with molecular sieves containing aluminium, phosphorus and silicon.

ALTERATION OF DATE

157739. Ante dated to 29th July, 1982. (6/Cal/85).

COMPLETE SPECIFICATION ACCEPTED

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 172-$D_{4,8}$. 157733

Int. Cl. : D 01 h 7/00.

OPEN-END SPINNING MACHINE.

Applicant : VYZKUMNY USTAV BAVLNARSKY. USTI NAD ORLICI. CZECHOSLOVAKIA.

Inventors : 1. FRANTISEK FERKL,
2. ANTONIN CAP,
3. MILOS VECERA,
4. JOSEF SKALA,
5. VACLAV KOPRIVA,
6. MICHAL BLASKO,
7. KAREL PAVEK,
8. MILAN CHRTEK,
9. JAN BLASKO.

Application No. 251/Cal/82 filed March 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An open-end spinning machine comprising a frame with at least one central air withdrawing duct at the outer side of which spinning units are disposed, each consisting, on the one hand, of a spinning housing with a spinning rotor and a technological air withdrawing aperture and, on the other hand, of a fibre separation housing with a silver opening cylinder and an associated cleaning aperture with an impurity withdrawing duct the outlet of which extending toward the outer side of the fibre separating housing communicates via a connecting tube with said central air withdrawing duct, the machine being characterised in that the outlet (20) of the impurity withdrawing duct (19) extends toward the outer wall (21) of the fibre separation housing (5) in an inner height (H) corresponding to the height of the cleaning aperture (18) the connecting tube (22) having a conically flared inlet (24) facing the outlet (20) in the outer wall (21) of said fibre separation housing (5), and having in the inlet plane a larger inner cross-section that the outer cross-section of the outlet (20), there being provided a gap (25) for additionallly sucking, in air between the inlet (24) of the connecting tube (22) and said outlet (20).

Compl. Specn. 14 pages. Drgs. 2 sheets.

CLASS : 97-F. 157734

Int. Cl. : F 27 b 3/24; H 05 b 7/18.

A METHOD OF FUSING FUSIBLE OXIDE COMPOUNDS OF METALS/NON METALS, FOR EXAMPLE SLAG IN AN ELECTRICAL FURNACE AND AN ELECTRIC FURNACE TO CARRY OUT SAID METHOD.

Applicant : SIDDONS INDUSTRIES LIMITED, OF RESEARCH ROAD, POORAKA, IN THE AUSTRALIA STATE OF SOUTH AUSTRALIA.

Inventor : 1. MICHAEL SIDDALL.

Application No. 332/Cal/82 filed March 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A method of fusing fusible oxide compounds of metals/non-metals for example slag, in an electric furnace having container with steel side wall containing a plurality of electrodes, comprising :

Charging said furnace contaitner with at least one of said fusible oxide compounds,

estabilshing a melt of some of said oxide compounds in said furnace and passing electric current between said electrodes and through said melt to thereby fuse further of said oxide compounds,

passing a free flowing continuous film of water over the outer surface of said side walls to thereby cool and freeze a layer of said fused compounds contiguous with the inner surface of the side wall,

discharging said oxide compounds after having been fulsed from the furnace container as a continuous stream through a discharge sleeve which extends through said side wall and said frozen layer into the melt, at a locality between the upper and lower ends of the container, and

controlling the rate of discharge of said fused oxide compounds by adjusting a flow control valve on the outer end of said sleeve.

Compl. Specn. 14 pages. Drgs. 4 sheets.

CLASS : 172-$D_{5,4}$. 157735

Int. Cl. : D 01 h 1/14, 3/02.

OVERHUNG MOUNTED, ROTATABLE CENTERING SPINDLE.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070, INGOLSTADT, WEST GERMANY.

Inventors : 1. WALTER MAYNR, 2. STEPHAN WITTMANN.

Application No. 614/Cal/82 filed May 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Overhung mounted, rotatable centering spindle for centering a thread, and comprising a central circumferential groove into which enter, from both sides, helical grooves which are helically oppositely directed relative to each other, characterised in that the direction of rotation of the centering spindle is reversible and that the two helical grooves have different core diameters d_1 d_2 from each other, the smaller core diameter d_2 being nearer to the free end of the centering spindle.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 98-G. 157736

Int. Cl. : F 28 d 9/00.

A HEAT EXCHANGER PLATE BLOCK PROVIDING ALTERNATING CROSS-FLOW CHANNELS FOR HEAT EXCHANGE BETWEEN TWO FLUID STREAMS.

Applicant : NORTH ATLANTIC TECHNOLOGIES, INC., OF 7801 EAST BUSH LAKE ROAD, BLOOMINGTON, MINNESOTA 55435, UNITED STATES OF AMERICA.

Inventor : 1. HORIA ALEXANDER DINULESCU.

Application No. 452/Cal/83 filed April 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A heat exchanger plate block providing alternating cross-flow channels for heat exchange between two fluid streams and comprising a stack of consecutive, spaced, parallel, generally rectangular plates mounted within an enclosing frame having generally rectangular end walls parallel to the plates and corner posts extending between and joining corners of the end walls, resilient separators between said plates to render the stack of plates resiliently compressible as a unit in a direction normal to the planes of the plates, each separator having an elongated, generally flat, resilient spacer elastically compressible through its thickness and in operative contact with a plate, and a rigid spacer between and in operative contact with the resilient spacer and the next consecutive plate.

Compl. specn. 33 pages. Drg. 9 sheets.

CLASS : 40-B 157737

Int. Cl. : B 01 j 11/00.

PROCESS FOR THE PREPARATION OF CATALYST FOR USE IN HYDROGENATION OF CARBON MONOXIDE TO METHANOL.

Applicant : PROJECTS & DEVELOPMENT INDIA LIMITED, OF C.I.F.T. BUILDINGS, P.O. SINDRI PIN-828 122, DIST. DHANBAD, BIHAR, INDIA.

Inventors : 1. SRI SHANKAR PRASAD SEN, 2. SRI GAUTAM SEN GUPTA, 3. SRI RAJENDRA KUMAR SHARMA, 4. SRI JYOTI SHANKAR BARIAR.

Application No. 565/Cal/83 filed May 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for preparing a catalyst for use in hydrogenation of carbon monoxide to methanol in the temperature range of 220–250°C and at pressure of 40–60 Kg/cm² which comprises :

A. preparing nitrate solution of copper, zinc and alumina so as to obtain a solution containing :

(a) 15 to 20 gm of copper per 100 cc. of solution;

(b) 10 to 12 gm of zinc per 100 cc. of solution;

(c) 3 to 5 gm of alumina per 100 cc. of solution.

B. adding solution of sodium bicarbonate to said mixed solution of copper, zinc and lumina at pH range of 7 to 8;

C. precipitating the obtained catalyst consisting of Cu, Zn and Alumina in the ratio of 65 : 30 : 5 at temperature of 65 to 70°C followed by drying and calcining.

Compl. specn. 8 pages. Drg. Nil.

CLASS : 32-$F_{2(n)}$; 55-E_4; 60-X_2 d 157738

Int. Cl. : C 07 d 91/16.

PROCESS FOR THE PREPARATION OF THIAZOLINE DERIVATIVES.

Applicant : RICHTER GEDEON VEGYESZETI GYAR RT., OF 19–21, GYOMROI UT, BUDAPEST X., HUNGARY.

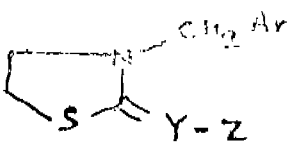
Inventors : 1. ELEMER EZER, 2. KALMAN HARSANYI, 3. GYORGY DOMANY, 4. LASZLO SZPORNY, 5. JUDIT MATUZ, 6. BELA HEGDOS, 7. MATALIN PALLAGI, 8. ISTVAN SZABADKAI, 9. PETER TETENYI.

Application No. 186/Cal/84 filed March 15, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

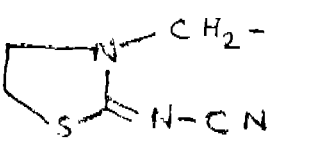
5 Claims

A process for the preparation of thiazolidina derivatives of the formula (I) of the accompanying drawings



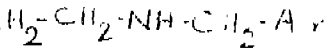
wherein

Ar is a 2-furyl or a phenyl, naphthyl or pyridyl group optionally substituted by one or two halogen atoms one or more C_{1-4}-alkyl, C_{1-4}-alkoxy halogen, C_{1-4}-alkoxy halogen, C_{1-4}-alkoxy, di- or trihalomethyl, hydroxyl and /or nitro groups or by a group of the formula (II),

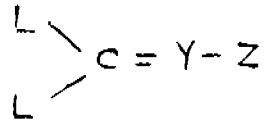


Y is nitrogen or CH,

Z is cyano or carbamoyl, if Y is nitrogen, and stands for a nitro group, if Y is Ch, which process comprises reacting an N-substituted l-amino-2-thiol-derivative of the formula (III),



wherein Ar has the same meaning as defined above, with a compound of the formula (IV),



wherein Y and Z are as defined above, and L is a leaving group.

Compl. specn. 39 pages. Drg. 1 sheet.

CLASS : 32-C 157739

Int. Cl. : C 07 g 3/00.

A METHOD FOR PREPARATION INNER ESTER GANGLIOSIDE DERIVATIVES.

Applicant : FIDIA S.p.A. OF VIA PONTE DELLA FABBRICIA, 3-A 35031, ABANO TERME (PADOVA), ITALY.

Inventor : 1. FRANCESCO DELLA VALLE.

Application No. 6/Cal/85 filed January 2, 1985.

Division of Application No. 887/Cal/82 dated 29th July 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method for preparing inner ester ganglioside derivatives which comprises reacting in a non-aqueous organic solvent, a ganglioside or mixture of gangliosides, wherein carboxylate groups of said ganglioside or mixture of gangliosides are converted to carboxyl groups by means of ion exchange, with a lactionization reagent to form at least one lactionic bond, and forming partly and optionally fully lactonized inner ester ganglioside derivatives.

Compl. specn. 35 pages. Drg. 1 sheet.

CLASS : 56D 157740

Int. Cl. : F 25 b—39/02.

A DISTRIBUTOR HEAD.

Applicants : STAINCO ENTERPRISES PVT. LTD., AN INDIAN COMPANY OF 4TH FLOOR, 405 KUSHAL BAZAR, 32-33 NEHRU PLACE, NEW DELHI-110019, INDIAN.

Inventors : SWAPAN DASGUPTA.

Application for Patent No. 620/Del/1981 filed on 25th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A distributor head for use with a calendria of an evaporator, said distributor head comprising a housing with a spray ball disposed therein, said spray ball being adapted to be connected to a milk pipe line, a distribution plate disposed below said spray ball said plate holding in position a plurality of guide tubes, said guide tubes being adapted to be disposed in concentric relationship to its respective tube of the calendria, a plurality of holes provided in said distribution plate in the vicinity of said guide tubes so as to allow the flow of milk along the outer surface of said guide tubes, the terminating end of said guide tubes being adapted to be disposed within its respective tube of the calendria and in a spaced relationship thereto so as to allow flow of milk along the inner surface of the calendria tube.

Compl. specn. 9 pages. Drg. 1 sheet.

CLASS : 40 H 157741

Int. Cl. : B 01 d 53/00, B 01 j9/00.

A PROCESS FOR THE PURIFICATION OF SPENT STEAM IN A GEOTHERMAL POWER PLANT.

Applicant : FMC CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA, MANUFACTURERS.

Inventor : WILLIAM AVERY HILLS.

Application for Patent No. 54/Del/1982 filed on 25th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A process for the purification of condensate of spent stream in a geothermal power plant by oxidizing hydrogen sulfide present in said stream condensate which comprises adjusting the pH of the steam condensate to pH of at least 7.0, oxidizing said H_2S in the presence of sodium vanadate as a catalyst, using a peroxygen compound selected from the group consisting of H_2O_2, sodium carbonate peroxide, sodium perborate, sodium pyrophosphate peroxide, urea peroxide and sodium peroxide.

Compl. specn. 17 pages. Drg. 1 sheet.

CLASS : 4 B 157742

Int. Cl. : B 64 C 27/06.

HELICOPTER ROTOR.

Applicant : SOCIETE NATIONALE INDUSTRIELLE, OF 37, BOULEVARD DE MONTMONENCY, PARIS, FRANCE, A FRENCH COMPANY.

Inventor : RENE LOUIS MOUILLE.

Application for Patent No. 64/Del/82 filed on 28th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A helicopter rotor comprising : at least two blades, each of which having a resistant frame extending to a corresponding blade root end, a rigid hub having a central drum secured to a top part of a rotor mast and coxial therewith, said rotor mast rotating about a rotor rotating axis, an upper plate and a lower plate rigid with said central drum and extending substantially outwrds from sid drum, said

upper and lower plates being axially spaced with one another along said drum, each said blade being connected by its blade root end to said hub by means of articulation means consisting in a single laminated spherical stop having a central portion of sandwich structure constituted by an arrangement of rigid part spherical cups alternating with layers of elastomeric material, a rigid radial outer fitting having a convex partspherical surface turned towards said drum and by which it is bonded to said central portion, said outer fitting being fixed to said upper and lower plates and extending between said plates as a rigid cross piece, and a rigid radial inner fitting having a concave part spherical surface turned opposite said drum and by which it is bonded to said central portion, said inner fitting having a slot in its face turned towards said drum, said root end being also connected to said hub by means of a resilient return drag brace having an inner end an outer end connected by ball and socket joints respectively to said hub and to said root end, said resilient-return drag brace (43) being preferably in the form of a frequency adaptor constituted by a stack of rigid metallic or composite plates alternating with plates in a visco-elastic material having great powers of recovery from deformation, the center of the ball and socket joints at said outer brace end being adjacent to the flap axis of the corresponding blade that passes through the center of said laminated spherical stop, wherein said root end comprises a rigid loop integral with said resistant frame of the corresponding blade, said rigid loop extending between said upper and lower plates and continuously round the corresponding laminated spherical stop, and being engaged and retained in said slot of said spherical stop inner fitting.

Compl. specn. 27 pages. Drg. 5 sheets.

CLASS : 23 H & 76E 157743

Int. Cl. : B 65 d 21/02, 25/20, 25/22 & 51/00.

CORNER FITTING FOR FREIGHT CONTAINERS.

Applicant : WESTERWALDER EISENWERK GERHARD GMBH, OF POSTFACH 20, D-5241 WEITEFELD, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : HELMUT GERHARD.

Application for Patent No. 84/Del/82 filed on 2nd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

42 Claims

Corner fitting for freight containers comprising :

three mutually perpendicular side walls connected to one another to form a section of a corner of a cube having its apex pointing outwardly from a freight container when mounted on such freight container,

and an oblique triangular surface extending transversely to a diagonal through the corner apex and joining the three side walls,

said triangular surface and at least one of said side walls including openings for engagement by container handling elements.

Compl. specn. 29 pages. Drg. 7 sheets.

CLASS : 40 A_2 157744

Int. Cl. : C 08 f 1/00 & B 01 j 1/00.

AN IMPROVEDDREACTOR FOR PRODUCING HIGH VISCOUS POLYMERS.

Appl cant: SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventor : JAI KRISHNA NIGAM, DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN & PREM KUMAR MAIR.

Application for Patent No. 186/Del/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved reactor for producing impact resistant polymers of vinyl aromatic compounds comprising a jacketted a vessel having an inlet for introduction of a charge, an outlet for discharge of the polymer, a shaft disposed within said vessel, a plurality of spaced 1 blades held to said shaft, and such that the charge from the space defined between said inner wall surface of the reactor and the outer surface of the shaft is introduced into said vessel, an outlet, provided at or in the proximity of the opposite end of said shaft, said inlet and outlet disposed within said reactor, shaft having a linear movement along the vertical plane.

Compl. specn. 15 pages. Drg. 1 sheet.

CLASS : 40 A, 157745

Int. Cl. : C 08 f 1/00 & B 01 j 1/00.

AN IMPROVED REACTOR FOR PRODUCING HIGH VISCOUS POLYMERS.

Applicant: SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventor : JAI KRISHNA NIGAM, DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN & PREM KUMAR MAIR.

Application for Patent No. 187/Del/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved reactor for producing impact resistant polymers of vinyl aromatic compounds comprising a jacketted vessel having an inlet for introduction of a charge, an outlet for discharge of the polymer, a rotatable shaft disposed within said vessel, a first screw or auger held to said shaft and such that the outermost edge is disposed in the proximity of the inner wall surface of said vessel characterized in that said shaft comprises a hollow shaft having an inlet disposed at or in the proximity of one end of said shaft and such that the charge from the space defined between said inner wall surface of the reactor and the outer surface of the shaft/flows into said shaft, an outlet provided at or in the proximity of the opposite end of said shaft, said inlet and outlet disposed within said reactor, a second auger disposed between said shaft and in a direction opposite to said first auger.

Compl. specn. 17 pages. Drg. 1 sheet.

CLASS : 40 A_2. 157746

Int. Cl. : C 08 f 1/00 & B01 j 1/00.

"AN IMPROVED REACTOR FOR PRODUCING HIGH VISCOUR POLYMERS".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110 007, INDIA, AN INDIAN INSTITUTE.

Inventor : JAI KRISHNA NIGAM, DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN AND PREM KUMAR MAIR.

Application for Patent No. 188/DEL/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

An improved reactor for producing impact resistant polymers of vinyl aromatic compounds comprising a jacketted vessel having an inlet for introduction of a charge, an outlet for discharge of the polymer, a rotatable shaft disposed within said vessel, a screw held to/said shaft such that the outermost edge is disposed in the proximity of the inner wall surface of said vessel characterized in that said shaft comprises a hollow shaft having an inlet disposed at or in the proximity of end of said shaft and such that the charge from the space defined between said inner wall surface of the reactor and the outer surface of the shaft is introduced into said vessel, an outlet provided at or in the proximity of the opposite end of said shaft, said inlet and outlet disposed within said reactor, a plurality of baffle plates extending inwardly from the inner wall of said vessel and such as to define a plurality of zones.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 40 A_2. 157747

Int. Cl. : C 08 f 1/00 & B01 j 1/00.

"AN IMPROVED REACTOR FOR PRODUCING HIGH VISCOUR POLYMERS".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110 007, INDIA, AN INDIAN INSTITUTE.

Inventor : JAI KRISHNA NIGAM, DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN AND PREM KUMAR MAIR.

Application for Patent No. 189/DEL/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

An improved reactor for producing impact resistant polymers of vinyl aromatic compounds comprising a jacketted vessel having an inlet for introduction of a charge, an outlet for discharge of the polymer, a rotatable shaft disposed within said vessel, an auger, or screw blades held to said shaft and such that the outermost edge is disposed in the proximity of the inner wall surface of said vessel characterized in a concentric jacket surrounding said shaft, said jacket being stationary and connected to any known source of a cooling or heating medium.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 40 A_2. 157748

Int. Cl. : B01 p 1/00 & C 08 f 1/00.

"AN IMPROVED REACTOR FOR PRODUCING HIGH VISCOUS POLYMERS".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110 007, INDIA, AN INDIAN INSTITUTE.

Inventors : JAI KRISHNA NIGAM, DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN AND PREM KUMAR MAIR.

Application for Patent No. 191/DEL/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

An improved reactor for producing impact resistant polymers of yinyl aromatic compounds comprising a jacketted vessel having an inlet for introduction of a charge, an outlet for discharge of the polymers, a rotatable shaft disposed within said vessel, a plurality of blades held to said shaft, characterized in that said shaft comprises a hollow shaft having an inlet disposed at or in the proximity of one end of said shaft and such that the charge from the space defined between said inner wall surface of the reactor and the outer surface of the shaft is introduced into said shaft an outlet provided at or in the proximity of the opposite end of said shaft, said inlet and outlet disposed within said reactor, a plurality of tubes extending from the inner wall surface and within said vessel for the flow of any known cooling or heating medium therein.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 55F. 157749

Int. Cl. : A61k 9/04.

"A PROCESS FOR MICROENCAPSULATION BY UP-WARD PASSAGE THROUGH MULTIPHASE SYSTEM". AND BHAGWAN DASS MIGLANI, COLLEGE OF PHARMACY, NEW DELHI-110 017, ALL INDIANS.

Applicant : ANIL KUMAR MADAN, RAJESH PARTI

Inventor : ANIL KUMAR MADAN, RAJESH PARTI AND BHAGWAN DASS MIGLANI.

Application for Patent No. 361/DEL/1982 filed on 15th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 Claims

A process for microencapsulating materials such as herein described in the form of powder, granules, crystals or liquid droplets by passing upwards through a multiphase system comprising of a coating phase consisting of a solution of coating material such as herein described in a solvent or a mixture of solvents such as herein described and maintained at a temperature above 27.5°C, congealing phase which is immiscible with coating phase and maintained at a temperature below 15°C and consists of a liquid such as herein described and a desolvating phase which is misciple with solvent employed in coating phase but is a non-solvent for coating material and is immiscible with congealing phase and consists of a liquid such as herein described and maintained at a temperature below 15°C, all the three phases being housed in a single vertical column in such a way that the coating phase forms the lowest layer the congealing phase forms the middle layer and the desolvating phase forms the uppermost layer, allowing the core material to rise upwards through all the three phases after being introduced into the bottom of the column, the rising core material gets enveloped with a film of coating solution while rising through coating phase and the film enveloped around core material gets rigidised while rising through desolvating phase resulting in formation of microcapsules which float at the top of the desolvating phase from where they can be removed and dried.

(Complete Specification 10 pages).

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Nitto Boski Co. Ltd. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 154126 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Midrex International B. V. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 155870 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Vickers Incorporated under Section 20(1) off the Patents Act, 1970 to proceed the application for Patent No. 156019 in their name has been allowed.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by the Babcock and Wilcox Company under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 157358 in their name has been allowed.

STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SECTION 68 AND 69 FOR THE PERIOD OF JANUARY, 1986 TO MARCH, 1986.
FROM INDIAN TO INDIAN

Patent Nos.	Patentee	Licence Granted to	Licence Granted on	Entry Made Under Sec.	Entry Made On
153020	Vinodrai Vanravendas Darchha, Calcutta India.	Ashok Metal Industries Gujarat, India.	15th June, 1985	68 and 69	5th Feb., 1986.
153021	Do.	Do.	Do.	Do.	Do.

STATEMENT REGARDING COLLABORATION AGREEMENTS OF PATENTS REGISTERED UNDER SECTION 68 AND 69 FOR THE PERIOD OF JANUARY86 TO MARCH, 1986

FROM FOREIGNERS TO INDIAN

Patent Nos.	Patentee	Collaboration With	Date of Collaboration	Entry Made Under Sec.	Entry Made On.
135631	Robert Boseh GmbH. A German Co.	MOTOR INDUSTRIES CO. LTD., of Hasur Road, Adugodi, Bangalore, India.	6th Dec., 1977	68 and 69	4th March, 1986
142892	Do.	Do.	Do.	Do.	Do.
144852	Do.	Do.	Do.	Do.	Do.
146501	Do.	Do.	Do.	Do.	Do.
147898	Do.	Do.	Do.	Do.	Do.
151667	Do.	Do.	Do.	Do.	Do.
150764	Do.	Do.	Do.	Do.	Do.
151583	Do.	Do.	Do.	Do.	Do.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC.
(PATENTS)

ASSIGNMENTS, licences or other transactions affecting the interests of the original patentees have been registered in the fo llowing cases. The number of each case is follwed by the names of the parties claiming interest.

15112 151428 151582 151006	MITSUBISHI HEAVY INDUSTRIES LTD.
137025 127492 150424	BANDAG INCORPORATED
132427 132734	AE PLC
132427 132734	Lucas Industries Public Limited Company.
143820 144725	GESTCO. S.A.

PATENTS SEALED

152723 154583 154732 154815 154819 154840 154890 155366 155389 155390 155391 155392 155432 155441 155444 155445 155446 155447 155448 155449 155450 155486 155520 155521 155522 155523 155524 155525 155526 155529 155532 155533 155534

RENEWAL FEES PAID

134437 136348 136760 136870 137396 138483 138814 138889 138918 138928 140934 141134 141217 141577 141736 142081 142524 142977 143128 143148 143173 143186 143292 143294 143295 143360 143366 143552 143765 144141 144437 144449 144498 144514 144576 144902 145492 145758 145830 145837 146261 146262 146397 146505 146527 146609 146760 146785 146888 147277 147284 147295 147603 147688 147751 147832 147840 148005 148035 148038 148096 148110 148195 148321 148382 148415 148480 148562 148642 148645 148648 148649 148653 148734 148833 148986 149003 149035 149046 149085 149250 149270 149280 149370 149380 149535 149563 149753 149789 149795 149960 150146 150219 150237 150247 150326 150333 150486 150533 150691 150693 150730 150842 150949 151076 151088 151089 151101 151102 151153 151194 151353 151437 151471 151575 151661 151720 151733 151854 151772 151934 151970 151988 152041 152057 152132 152135 152377 152457 152463 152560 152649 152703 152705 152741 152829 152836 152876 152912 152920 152931 153011 153030 153037 153055 153077 153294 153300 153305 153306 153307 153311 153382 153416 153429 153430 153518 153703 153704 153710 153801 153802 153812 153828 153853 153864 153877 153886 153917 153957 153959 153983 153984 153986 154000 154001 154008 154073 154093 154114 154171 154173 154174 154175 154176 154177 154178 154211 154233 154239 154240 154241 154267 154269 154279 154280 154281 154282 154284 154286 154290 154296 154298 154303 154313 154314 154321 154322 154373 154386 154400 154401 154403 154404 154407 154408 154410 154411 154412 154413 154414 154429 154450 154499 154513 154520 154549 154552 154560 154565 154568 154585 154597 154631 154646 154665 154666 154667 154668 154669 154670 154679 154686 154687 154692 154693 154694 154695 154701 154709 154730 154737 154748 154749 154757 154762 154767 154808 154810 154817 154821 154844 154845 154847 154852 154859 154872 154873 154874 154912 154954 155068 155070 155096 155097 155098 155114 155115 155117 155129 155170 155233 155236 155263 155264 155276 155876 156261

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911

The date shown in the each entry is the date of registration of the design incuded in the entry.

Class. 1. No. 156034. SZERSZAMGEPIPARI MUVEK, of Liget u, 22., 1102 Budapest, Hungary, a "Lathe for Teaching". 10th September, 1985.

Class 1. No. 156149. The Prestige Group Plc., a British Company of Prestige House, 14-18 Holborn, London, EC1N 2LQ,. England. "a BARBEQUE". 12th July, 1985. (U.K.).

Class. 3. No. 156082. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., an Indian Company having its address at Kalol (N.G.) Pin : 382 721, Gujarat State, India. "Storage Tank". 25th September, 1985.

Class. 3. No. 156288. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (NG), Pin : 382 721, Gujarat State, India. "Building Unit for doors, Windows, walls and the like". 11th November, 1985.

Class. 3. No. 156289. Sinter Plast Containers Plastics Division of The Bharat Vijay Mills Ltd., Kalol (NG), Pin : 382 721, Gujarat State, India. "Building Unit for doors, Windows, walls and the like". 11th November, 1985.

Class. 3. No. 156148. Roplas (INDIA) LIMITED, an Indian Company of 145, Bombay-Poona Road, Pimpri. Poona-411 018, Maharashtra, India. "A VEHICLE". 18th October, 1985.

Class. 4. No. 155973. Vivelon Cosmetics, Ajay Service Industrial Estate, Unit 421, 4th Floor, Anjir Wadi, Mazgaon, Bombay-400 010, State of Maharashtra, India. "A Bottle". 20th August, 1985.

Class. 12. No. 156785. Mondal Biscuits Co., an Indian Proprietory Firm of 43/F, Ultadanga Road, Calcutta-700 004, W.B., India. "Biscuit". 17th March, 1986.

R. A. ACHARYA
Controller General of Patents, Designs and Trade marks

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